

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/781,296DATE: 11/10/97  
TIME: 15:57:08

INPUT SET: S21483.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

ENTERED

## SEQUENCE LISTING

- (1) General Information:
- (i) APPLICANTS: John B. Harley and Judith A. James
  - (ii) TITLE OF INVENTION: Diagnostics And Therapy Of Epstein-Barr  
Virus In Autoimmune Disorders
  - (iii) NUMBER OF SEQUENCES: 38
  - (iv) CORRESPONDENCE ADDRESS:
    - (A) ADDRESSEE: Patrea L. Pabst
    - (B) STREET: 2800 One Atlantic Center  
1201 West Peachtree Street
    - (C) CITY: Atlanta
    - (D) STATE: Georgia
    - (E) COUNTRY: USA
    - (F) ZIP: 30306-3450
  - (v) COMPUTER READABLE FORM:
    - (A) MEDIUM TYPE: Floppy disk
    - (B) COMPUTER: IBM PC compatible
    - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
    - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
  - (vi) CURRENT APPLICATION DATA:
    - (A) APPLICATION NUMBER: 08/781,296
    - (B) FILING DATE: 13-JAN-1997
    - (C) CLASSIFICATION:
  - (vii) PRIOR APPLICATION DATA:
    - (A) APPLICATION NUMBER: 60/019,053
    - (B) FILING DATE: 16-MAY-1996
    - (C) CLASSIFICATION:
  - (vii) PRIOR APPLICATION DATA:
    - (A) APPLICATION NUMBER: 08/160,604
    - (B) FILING DATE: 30-NOV-1996
    - (C) CLASSIFICATION:
  - (viii) ATTORNEY/AGENT INFORMATION:
    - (A) NAME: Pabst, Patrea L.
    - (B) REGISTRATION NUMBER: 31,284
    - (C) REFERENCE/DOCKET NUMBER: OMRf161
  - (ix) TELECOMMUNICATION INFORMATION:
    - (A) TELEPHONE: (404)873-8794
    - (B) TELEFAX: (404)873-8795
- (2) INFORMATION FOR SEQ ID NO:1:
- (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 7 amino acids
    - (B) TYPE: amino acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear

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47 (ii) MOLECULE TYPE: protein  
48 (iii) HYPOTHETICAL: NO  
49 (iv) ANTI-SENSE: NO  
50  
51 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
52  
53 Pro Pro Pro Gly Arg Arg Pro  
54 1 5  
55  
56 (2) INFORMATION FOR SEQ ID NO:2:  
57 (i) SEQUENCE CHARACTERISTICS:  
58 (A) LENGTH: 8 amino acids  
59 (B) TYPE: amino acid  
60 (C) STRANDEDNESS: single  
61 (D) TOPOLOGY: linear  
62 (ii) MOLECULE TYPE: protein  
63 (iii) HYPOTHETICAL: NO  
64 (iv) ANTI-SENSE: NO  
65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
66  
67  
68 Gly Arg Gly Arg Gly Arg Gly Gly  
69 1 5  
70  
71 (2) INFORMATION FOR SEQ ID NO:3:  
72 (i) SEQUENCE CHARACTERISTICS:  
73 (A) LENGTH: 7 amino acids  
74 (B) TYPE: amino acid  
75 (C) STRANDEDNESS: single  
76 (D) TOPOLOGY: linear  
77 (ii) MOLECULE TYPE: protein  
78 (iii) HYPOTHETICAL: NO  
79 (iv) ANTI-SENSE: NO  
80 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
81  
82 Arg Gly Arg Gly Arg Glu Lys  
83 1 5  
84  
85 (2) INFORMATION FOR SEQ ID NO:4:  
86 (i) SEQUENCE CHARACTERISTICS:  
87 (A) LENGTH: 8 amino acids  
88 (B) TYPE: amino acid  
89 (C) STRANDEDNESS: single  
90 (D) TOPOLOGY: linear  
91 (ii) MOLECULE TYPE: protein  
92 (iii) HYPOTHETICAL: NO  
93 (iv) ANTI-SENSE: NO  
94 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
95  
96 Pro Pro Pro Gly Met Arg Pro Pro  
97 1 5  
98  
99 (2) INFORMATION FOR SEQ ID NO:5:

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100 (1) SEQUENCE CHARACTERISTICS:  
101 (A) LENGTH: 8 amino acids  
102 (B) TYPE: amino acid  
103 (C) STRANDEDNESS: single  
104 (D) TOPOLOGY: linear  
105 (ii) MOLECULE TYPE: protein  
106 (iii) HYPOTHETICAL: NO  
107 (iv) ANTI-SENSE: NO  
108 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
109  
110 Pro Pro Pro Gly Ile Arg Gly Pro  
111 1 5  
112  
113 (2) INFORMATION FOR SEQ ID NO:6:  
114 (i) SEQUENCE CHARACTERISTICS:  
115 (A) LENGTH: 8 amino acids  
116 (B) TYPE: amino acid  
117 (C) STRANDEDNESS: single  
118 (D) TOPOLOGY: linear  
119 (ii) MOLECULE TYPE: protein  
120 (iii) HYPOTHETICAL: NO  
121 (iv) ANTI-SENSE: NO  
122  
123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
124  
125 Pro Ala Pro Gly Met Arg Pro Pro  
126 1 5  
127  
128 (2) INFORMATION FOR SEQ ID NO:7:  
129 (i) SEQUENCE CHARACTERISTICS:  
130 (A) LENGTH: 24 amino acids  
131 (B) TYPE: amino acid  
132 (C) STRANDEDNESS: single  
133 (D) TOPOLOGY: linear  
134 (ii) MOLECULE TYPE: protein  
135 (iii) HYPOTHETICAL: NO  
136 (iv) ANTI-SENSE: NO  
137 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
138  
139 Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala  
140 1 5 10 15  
141  
142 Gly Ala Gly Ala Gly Ala Gly Ala  
143 20  
144  
145 (2) INFORMATION FOR SEQ ID NO:8:  
146 (i) SEQUENCE CHARACTERISTICS:  
147 (A) LENGTH: 8 amino acids  
148 (B) TYPE: amino acid  
149 (C) STRANDEDNESS: single  
150 (D) TOPOLOGY: linear  
151 (ii) MOLECULE TYPE: protein  
152 (iii) HYPOTHETICAL: NO

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153 (iv) ANTI-SENSE: NO  
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
155  
156 Pro Pro Gly Met Arg Gly Pro  
157 1 5  
158  
159 (2) INFORMATION FOR SEQ ID NO:9:  
160 (i) SEQUENCE CHARACTERISTICS:  
161 (A) LENGTH: 26 amino acids  
162 (B) TYPE: amino acid  
163 (C) STRANDEDNESS: single  
164 (D) TOPOLOGY: linear  
165 (ii) MOLECULE TYPE: protein  
166 (iii) HYPOTHETICAL: NO  
167 (iv) ANTI-SENSE: NO  
168 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
169  
170 Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg  
171 1 5 10 15  
172  
173 Gly Arg Gly Arg Gly Gly Pro Arg Arg Arg  
174 20 25  
175  
176 (2) INFORMATION FOR SEQ ID NO:10:  
177 (i) SEQUENCE CHARACTERISTICS:  
178 (A) LENGTH: 18 base pairs  
179 (B) TYPE: nucleic acid  
180 (C) STRANDEDNESS: single  
181 (D) TOPOLOGY: linear  
182 (ii) MOLECULE TYPE: DNA  
183 (iii) HYPOTHETICAL: NO  
184 (iv) ANTI-SENSE: NO  
185 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
186  
187 CCAGAGGTAA GTGGACTT 18  
188  
189 (2) INFORMATION FOR SEQ ID NO:11:  
190 (i) SEQUENCE CHARACTERISTICS:  
191 (A) LENGTH: 18 base pairs  
192 (B) TYPE: nucleic acid  
193 (C) STRANDEDNESS: single  
194 (D) TOPOLOGY: linear  
195 (ii) MOLECULE TYPE: DNA  
196 (iii) HYPOTHETICAL: NO  
197 (iv) ANTI-SENSE: NO  
198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
199  
200 GACCGGTGCC TTCTTAGG 18  
201  
202 (2) INFORMATION FOR SEQ ID NO:12:  
203 (i) SEQUENCE CHARACTERISTICS:  
204 (A) LENGTH: 58 base pairs  
205 (B) TYPE: nucleic acid

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206 (C) STRANDEDNESS: single  
207 (D) TOPOLOGY: linear  
208 (ii) MOLECULE TYPE: DNA  
209 (iii) HYPOTHETICAL: NO  
210 (iv) ANTI-SENSE: NO  
211 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
212  
213 AAGACGATTC GGGTTGTGAG GTGGTGTGGG TCCGTGTGTG ATGTGTGTGG GTGGGCAG 58  
214  
215 (2) INFORMATION FOR SEQ ID NO:13:  
216 (i) SEQUENCE CHARACTERISTICS:  
217 (A) LENGTH: 26 amino acids  
218 (B) TYPE: amino acid  
219 (C) STRANDEDNESS: single  
220 (D) TOPOLOGY: linear  
221 (ii) MOLECULE TYPE: protein  
222 (iii) HYPOTHETICAL: NO  
223 (iv) ANTI-SENSE: NO  
224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
225  
226 Gly Pro Gln Arg Arg Gly Gly Asp Asn His Gly Arg Gly Arg Gly Arg  
227 1 5 10 15  
228  
229 Gly Arg Gly Arg Gly Gly Gly Arg Pro Gly  
230 20 25  
231  
232 (2) INFORMATION FOR SEQ ID NO:14:  
233 (i) SEQUENCE CHARACTERISTICS:  
234 (A) LENGTH: 20 amino acids  
235 (B) TYPE: amino acid  
236 (C) STRANDEDNESS: single  
237 (D) TOPOLOGY: linear  
238 (ii) MOLECULE TYPE: protein  
239 (iii) HYPOTHETICAL: NO  
240 (iv) ANTI-SENSE: NO  
241 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:  
242  
243 Gly Gly Ser Gly Ser Gly Pro Arg His Arg Asp Gly Val Arg Arg Pro  
244 1 5 10 15  
245  
246 Gln Lys Arg Pro  
247 20  
248  
249 (2) INFORMATION FOR SEQ ID NO:15:  
250 (i) SEQUENCE CHARACTERISTICS:  
251 (A) LENGTH: 8 amino acids  
252 (B) TYPE: amino acid  
253 (C) STRANDEDNESS: single  
254 (D) TOPOLOGY: linear  
255 (ii) MOLECULE TYPE: protein  
256 (iii) HYPOTHETICAL: NO  
257 (iv) ANTI-SENSE: NO  
258 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/781,296**

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Original Text